

APPENDIX C

**Habitat and county occurrence information
for the protected plant and animal species
which could occur in areas affected by
one or more of the action alternatives**

Table C-1. Habitat and county occurrence information for the protected plant species which could occur in areas affected by one or more of the action alternatives. Occurrence data derived from TVA Regional Heritage database; habitat data provided by TVA staff specialists.

Scientific Name	Common Name	Typical Habitat	Federal Status	State Status	Maury County	Marshall County	Bedford County	Moore County	Coffee County
<i>Agalinis pseudophylla</i>	Purple gerardia *	Z		E					X
<i>Amsonia tabernaemontana</i> var. <i>gattingeri</i>	Blue star *	G, Z		S	X				
<i>Anemone caroliniana</i>	Carolina anemone	G, N		E			X		
<i>Arenaria fontinalis</i>	Sandwort	W		E-PT		X			
<i>Asclepias hirtella</i>	Green milkweed	G, N		S					X
<i>Astragalus tennesseensis</i>	Tennessee milk-vetch	G		S	X	X	X		
<i>Aureolaria patula</i>	False foxglove	F, M		T					X
<i>Carex barrattii</i>	Sedge *	W, Z		E					X
<i>Carex buxbaumii</i>	Sedge *	W, Z		S					X
<i>Cerastium velutinum</i>	Starry cerastium	G		PE	X				
<i>Croton alabamensis</i>	Alabama croton	F		E-P					X
<i>Dalea foliosa</i>	Leafy prairie-clover	G	E	E	X	X	X		
<i>Drosera brevifolia</i>	Sundew *	Z		T					X
<i>Drosera capillaris</i>	Sundew *	Z		T					X
<i>Echinacea pallida</i>	Pale purple coneflower	G, N		T					X
<i>Eupatorium leucolepis</i>	Justice weed	Z		E					X
<i>Festuca paradoxa</i>	Fescue *	W, Z		S					X
<i>Fimbristylis puberula</i>	Hairy fimbristylis	Z		T					X
<i>Gaylussacia dumosa</i>	Dwarf huckleberry	M, N		T					X
<i>Gentiana puberulenta</i>	Downy gentian	N		PE					X
<i>Gymnopogon brevifolius</i>	Beardgrass	N		S					X

Table C-1 (Continued)

Scientific Name	Common Name	Typical Habitat	Federal Status	State Status	Maury County	Marshall County	Bedford County	Moore County	Coffee County
<i>Helianthus eggertii</i>	Eggert's sunflower	H	T	T	X				X
<i>Hieracium scabrum</i>	Hawkweed *	M, N		T					X
<i>Hydrastis canadensis</i>	Goldenseal	M, G		S-C	X				X
<i>Hypericum adpressum</i>	Creeping St. John-wort	Z		T					X
<i>Iris prismatica</i>	Narrow blue flag	Z		T					X
<i>Juncus brachycephalus</i>	short-head rush	W, Z		S	X				
<i>Lachnanthes caroliana</i>	Red root	Z		E					X
<i>Leavenworthia exigua</i> var. <i>exigua</i>	Glade Cress *	G		E-P	X				
<i>Leavenworthia exigua</i> var. <i>lutea</i>	Pasture glade Cress	G		T	X	X	X		
<i>Lespedeza angustifolia</i>	Narrowleaf bush clover	N		T					
<i>Lesquerella densipila</i>	Duck River bladderpod	A		T	X	X	X		
<i>Lesquerella globosa</i>	Shorts bladderpod	F		PE	X				
<i>Lilium michiganense</i>	Michigan lily	M, H		T					X
<i>Listera australis</i>	Southern twayblade	B		E					X
<i>Lobelia canbyi</i>	Canby lobelia	B		T					X
<i>Ludwigia sphaerocarpa</i>	Globe-fruit ludwigia	B, Z		T					X
<i>Lycopodiella alopecuroides</i>	Foxtail clubmoss	Z		T					X
<i>Lysimachia terrestris</i>	Swamp loosestrife	B, Z		E					X
<i>Mirabilis albida</i>	Pale umbrella-wort	G, N		T	X				
<i>Muhlenbergia torreyana</i>	Torrey muhly	Z		E					X
<i>Myriophyllum pinnatum</i>	Water-millfoil *	R		T					X
<i>Nestronia umbellula</i>	Nestronia	M		E					X

Table C-1 (Continued)

Scientific Name	Common Name	Typical Habitat	Federal Status	State Status	Maury County	Marshall County	Bedford County	Moore County	Coffee County
<i>Neviusia alabamensis</i>	Snow-wreath	F		T				X	
<i>Panax quinquefolius</i>	Ginseng	M		S-C				X	X
<i>Panicum acuminatum</i> var. <i>leucothrix</i>	Panic-grass *	I		S					X
<i>Panicum hemitomon</i>	Maidencane	Z		S					X
<i>Pedicularis lanceolata</i>	Swamp lousewort	Z		T					X
<i>Phlox pilosa</i> ssp. <i>ozarkana</i>	Downy phlox	G		S	X				
<i>Platanthera flava</i> var. <i>flava</i>	Southern rein orchid	Z, B		S					X
<i>Platanthera integra</i>	Yellow fringeless orchid	Z		E					X
<i>Platanthera nivea</i>	Snowy orchid	Z		E					X
<i>Pogonia ophioglossoides</i>	Rose pogonia	Z		T					X
<i>Polygala nuttallii</i>	Nuttall milkwort	N		E					X
<i>Prunus pumila</i>	Dwarf cherry	Z		E-PT					X
<i>Rhynchospora perplexa</i>	Beakrush	Z		T					X
<i>Sagittaria graminea</i>	Grass-leaf arrowhead	B, Z		T					X
<i>Schoenolirion croceum</i>	Sunnybell *	G		T	X	X			
<i>Schwalbea americana</i>	Chaffseed *	Z	E	E-P					X
<i>Scleria verticillata</i>	Low nut-rush	Z		S					X
<i>Silphium brachiatum</i>	Rosinweed *	M		E		X			
<i>Talinum calcaricum</i>	Limestone fame-flower	G		S	X	X			X
<i>Tofieldia racemosa</i>	False asphodel	Z		E					X
<i>Woodwardia virginica</i>	Virginia chain-fern	Z		S					X
<i>Xyris fimbriata</i>	Fringed yellow-eyed-grass	Z		E					X

Table C-1 (Continued)

Scientific Name	Common Name	Typical Habitat	Federal Status	State Status	Maury County	Marshall County	Bedford County	Moore County	Coffee County
<i>Xyris laxifolia</i> var. <i>iridifolia</i>	Yellow-eyed-grass *	Z		S					X
<i>Xyris tennesseensis</i>	Yellow-eyed-grass *	Z, W	E	E					X
<i>Zigadenus leimanthoides</i>	Black snakeroot *	Z		T					X

Habitat Abbreviations:

A - Agricultural Areas, B - Bottomland Forests, C - Creeks, F - Bluffs and Cliffs, G - Cedar Glades,
 H - Thickets and Fencerows, J - Cedar Forests, M - Mixed Hardwoods, N - Barrens, R - Rivers, U - Caves,
 V - Reservoirs, W - Seepage Areas, and Z - Wet Meadows and Sandy Creeksides.

Status Abbreviations:

E - Endangered, E-P - Endangered but possibly extirpated, E-PT - Endangered but proposed for Threatened status, PE - proposed Endangered, S - Special Concern, S-C - Special Concern-commercially exploited, T - Threatened

Occurrence Abbreviations:

X - Known to occur in this county within the last 30 years,
 X> - Not known from the parts of this county that could be affected by any of the action alternatives.

* = denotes common name for the genus; no common name is used of the individual species.

Table C-2. Habitat and county occurrence information for the protected animal species which could occur in areas affected by one or more of the action alternatives. Occurrence data derived from TVA Regional Heritage database; habitat data provided by TVA staff specialists.

Scientific Name	Common Name	Typical Habitat	Federal Status	State Status	Maury County	Marshall County	Bedford County	Moore County	Coffee County
Insects									
<i>Gomphus sandrius</i>	Tennessee clubtail dragonfly	C			X		X		
<i>Pseudanophthalmus bendermani</i>	Benderman's cave beetle	U			X				
<i>Pseudanophthalmus tullahoma</i>	Duck River cave beetle	U							X
Snails									
<i>Leptoxis praerosa</i>	Onyx rocksнail	CR			X	X	X		X
<i>Leptoxis subglobosa umbilicata</i>	Umbilicate rocksнail	CR							X
<i>Lithasia duttoniana</i>	Helmet rocksнail	CR			X	X	X		X
<i>Lithasia geniculata</i>	Ornate rocksнail	R			X	X	X		X
<i>Lithasia geniculata fuliginosa</i>	Geniculate riversнail	R			X		X		X
<i>Lithasia geniculata pinguis</i>	Small geniculate riversнail	C							X
<i>Lithasia jayana</i>	Rugose rocksнail	R			X		X		X
<i>Lithasia lima</i>	Warty rocksнail	CR						X	X
<i>Lithasia salebrosa</i>	Rustic rocksнail	R			X				
<i>Lithasia verrucosa</i>	Varicose rocksнail	R					X		
<i>Polygyra auriformis</i>	Rockpile liptooth								X>

Table C-2 (Continued)

Scientific Name	Common Name	Typical Habitat	Federal Status	State Status	Maury County	Marshall County	Bedford County	Moore County	Coffee County
Native Mussels									
<i>Epioblasma brevidens</i>	Cumberland combshell	R	E	E	X	X			
<i>Epioblasma capsaeformis</i>	Oyster mussel	R	E	E		X			
<i>Epioblasma florentina florentina</i>	Yellow-blossom pearlymussel	R	E	E	X		X		
<i>Epioblasma torulosa torulosa</i>	Tubercled-blossom pearlymussel	R	E	E		X			
<i>Epioblasma triquetra</i>	Snuffbox	R			X	X			
<i>Epioblasma turgidula</i>	Turgid-blossom pearly mussel	R	E	E	X		X	X	X
<i>Epioblasma walkeri</i>	Tan riffleshell	R	E	E	X	X			
<i>Fusconaia cor</i>	Shiny pigtoe	R	E	E				X	
<i>Hemistena lata</i>	Cracking pearlymussel	R	E	E	X				
<i>Lemiox rimosus</i>	Birdwing pearlymussel	R	E	E	X	X			
<i>Lexingtonia dolabelloides</i>	Slabside pearlymussel	R			X	X	X	X	X
<i>Medionidus conradicus</i>	Cumberland moccasinshell	CR			X	X	X		
<i>Obovaria subrotunda</i>	Round hickorynut	R			X	X	X		
<i>Plethobasus cooperianus</i>	Orange-footed pearlymussel	R	E	E	X	X			
<i>Pleurobema gibberum</i>	Cumberland pigtoe	CR	E	E					X>
<i>Pleurobema oviforme</i>	Tennessee clubshell	R			X	X		X	X
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	R			X	X			
<i>Quadrula intermedia</i>	Cumberland monkeyface	R	E	E	X	X			
<i>Toxolasma cylindrellus</i>	Pale lilliput pearlymussel	C	E	E	X	X			X
<i>Toxolasma lividum</i>	Purple lilliput	CR			X				

Table C-2 (Continued)

Scientific Name	Common Name	Typical Habitat	Federal Status	State Status	Maury County	Marshall County	Bedford County	Moore County	Coffee County
Fishes									
<i>Cyclopterus elongatus</i>	Blue sucker	R		T	X>				
<i>Etheostoma aquali</i>	Coppercheek darter	R		T	X	X	X		X>
<i>Etheostoma cincereum</i>	Ashy darter	CR		D		X	X		
<i>Etheostoma forbesi</i>	Barrens darter	C		E					X>
<i>Etheostoma luteovinctum</i>	Redband darter	C		D	X	X	X		X
<i>Etheostoma microlepidum</i>	Finescale darter	R		D				X>	
<i>Etheostoma striatum</i>	Striated darter	CR		D	X	X	X		X
<i>Etheostoma denoncourti</i>	Golden darter	R		D	X	X	X		
<i>Fundulus julisia</i>	Barrens topminnow	C		T					X>
<i>Hemitrema flammnea</i>	Flame chub	C		D	X	X	X		X
<i>Notropis rupestris</i>	Bedrock shiner	C		D				X	
<i>Noturus</i> sp.	Duck River saddled madtom	CR		T	X	X	X		
<i>Percina burtoni</i>	Blotchside logperch	CR		D				X	X>
<i>Percina macrocephala</i>	Longhead darter	CR		T				X	X>
<i>Percina phoxocephala</i>	Slenderhead darter	R		D	X	X	X		
<i>Typhlichthys subterraneus</i>	Southern cavefish	U		D					X>
Amphibians									
<i>Ambystoma talpoideum</i>	Mole salamander	B		D					X
<i>Cryptobranchus alleganiensis</i>	Hellbender	CR		D	X		X		X
<i>Hemidactylum scutatum</i>	Four-toed salamander	BW		D					X
<i>Hyla gratiosa</i>	Barking treefrog	BC		D					X
<i>Rana capito sevosa</i>	Dusky gopher frog								X>
<i>Gyrinophilus palleucus</i>	Tennessee cave salamander	U>		T					

Table C-2 (Continued)

Scientific Name	Common Name	Typical Habitat	Federal Status	State Status	Maury County	Marshall County	Bedford County	Moore County	Coffee County
Reptile									
<i>Pituophis melanoleucus melanoleucus</i>	Northern pine snake	M		T					X
Birds									
<i>Ammodramus henslowii</i>	Henslow's sparrow	H							X>
<i>Ammodramus savannarum</i>	Grasshopper sparrow	AH		D	X		X		X
<i>Haliaeetus leucocephalus</i>	Bald eagle	RV	T	T					X
<i>Ixobrychus exilis</i>	Least bittern	RV		D	X>				
<i>Tyto alba</i>	Barn owl	AF		D					
Mammals									
<i>Corynorhinus rafinesquii</i>	Eastern big-eared bat	BF		D					
<i>Lutra canadensis</i>	River otter	RC		T		X			
<i>Myotis grisescens</i>	Gray bat	VR	E	E	X		X	X	
<i>Myotis sodalis</i>	Indiana bat	BM	E	E	X		X		
<i>Neotoma magister</i>	Eastern woodrat	FU		D	X		X		
<i>Sorex cinereus</i>	Common shrew	MC		D	X>				X>
<i>Sorex fumeus</i>	Smoky shrew	MC		D					X>
<i>Sorex longirostris</i>	Southeastern shrew	BH		D					X
<i>Zapus hudsonius</i>	Meadow jumping mouse	CH		D					X

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 V - Reservoirs, and W - Seepage Areas.

Status Abbreviations:

D - Deemed in Need of Management, E - Endangered, T - Threatened

Occurrence Abbreviations:

X - Known to occur in this county within the last 30 years,
 X> - Not known from the parts of this county that could be affected by any of the action alternatives.